

Release notes for ENDF/B Development e-059_Pr_000
evaluation

ENDF
B-VII.dev

October 13, 2016

- fudge-4.0 Warnings:

1. Mislabelled emitted particle
Reading ENDF file: ../e-059_Pr_000.endf (Error # 0): ZAP messed up

WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0
2. FIXME: Generic fudge unimplemented message
reaction label 1: e- + Pr + gamma [bremsstrahlung] / Product: e- (Error # 0): Generic unimp (c)

WARNING: Checking not yet implemented for energyLoss type data
3. FIXME: Generic fudge unimplemented message
reaction label 2: e- + Pr [excitation] / Product: e- (Error # 0): Generic unimp (c)

WARNING: Checking not yet implemented for energyLoss type data

- fudge-4.0 Errors:

1. Calculated and tabulated thresholds don't agree
reaction label 0: e- + Pr [large angle Coulomb scattering] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
2. Calculated and tabulated thresholds don't agree
reaction label 1: e- + Pr + gamma [bremsstrahlung] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
3. Calculated and tabulated thresholds don't agree
reaction label 2: e- + Pr [excitation] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
4. Calculated and tabulated thresholds don't agree
reaction label 3: e- + e- + Pr1s1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 42010. eV!
5. Calculated and tabulated thresholds don't agree
reaction label 4: e- + e- + Pr2s1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 6799.8 eV!
6. Calculated and tabulated thresholds don't agree
reaction label 5: e- + e- + Pr2p1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 6442.9 eV!
7. Calculated and tabulated thresholds don't agree
reaction label 6: e- + e- + Pr2p3/2 / Cross section: (Error # 0): Threshold mismatch

- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 5954.4 eV!
8. Calculated and tabulated thresholds don't agree
reaction label 7: $e^- + e^- + Pr3s1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1480.1 eV!
9. Calculated and tabulated thresholds don't agree
reaction label 8: $e^- + e^- + Pr3p1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1325.7 eV!
10. Calculated and tabulated thresholds don't agree
reaction label 9: $e^- + e^- + Pr3p3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1228.4 eV!
11. Calculated and tabulated thresholds don't agree
reaction label 10: $e^- + e^- + Pr3d3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 955.98 eV!
12. Calculated and tabulated thresholds don't agree
reaction label 11: $e^- + e^- + Pr3d5/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 934.86 eV!
13. Calculated and tabulated thresholds don't agree
reaction label 12: $e^- + e^- + Pr4s1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 299.25 eV!
14. Calculated and tabulated thresholds don't agree
reaction label 13: $e^- + e^- + Pr4p1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 240.64 eV!
15. Calculated and tabulated thresholds don't agree
reaction label 14: $e^- + e^- + Pr4p3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 219.56 eV!
16. Calculated and tabulated thresholds don't agree
reaction label 15: $e^- + e^- + Pr4d3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 122.28 eV!
17. Calculated and tabulated thresholds don't agree
reaction label 16: $e^- + e^- + Pr4d5/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 118.59 eV!
18. Calculated and tabulated thresholds don't agree
reaction label 17: $e^- + e^- + Pr4f5/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 7.65 eV!

19. Calculated and tabulated thresholds don't agree
reaction label 18: $e^- + e^- + \text{Pr}4f7/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 7.24 eV!

20. Calculated and tabulated thresholds don't agree
reaction label 19: $e^- + e^- + \text{Pr}5s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 43.3 eV!

21. Calculated and tabulated thresholds don't agree
reaction label 20: $e^- + e^- + \text{Pr}5p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 27.26 eV!

22. Calculated and tabulated thresholds don't agree
reaction label 21: $e^- + e^- + \text{Pr}5p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 24.26 eV!

23. Calculated and tabulated thresholds don't agree
reaction label 22: $e^- + e^- + \text{Pr}6s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 4.89 eV!

- **xsectplotter** Warnings:

1. Mislabeled emitted particle
Error: ZAP messed up

stderr while processing crossSection

WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0
 ... [4 more lines]